Results from Selected Sites in the Great Miami and Little Miami River Basin (National Water-Quality Assessment Program)

CHLOROPHYLL AND BIOMASS MEASUREMENTS FROM FIXED SITES

Field measurements of water quality and samples of algal chlorophyll *a* and pheophytin *a* were taken from the stream bottom (periphyton) in riffles representing the richest-targeted habitats (RTH) and depositional-targeted habitats (DTH) as defined in the NAWQA algal protocols (Porter, S.D., Cuffney, T.F., Gurtz, M.E. and Meador, M.R., 1993, Methods for collecting algal samples as part of the National Water-Quality Assessment Program: U.S. Geological Survey Open-file Report 93-409, 39 pp.).

WATER-QUALITY DATA

[(70957), USGS National Water Information System parameter code; mg/m^2, milligrams per square meter; g/m^2, grams per square meter; RTH, richest-targeted habitat for periphyton; DTH, depositional-targeted habitat for periphyton]

STATION NUMBER	STATION NAME	DATE	SAMPLE TYPE	SAMPLE NUMBER	PERIPHYTON, CHLOROPHYLL *a* (MG/M^2) (70957)	PERIPHYTON, PHEOPHYTON *a* (MG/M^2) (62359)	PERIPHYTON, BIOMASS, ASH WEIGHT (G/M^2) (00572)	PERIPHYTON, BIOMASS, DRY WEIGHT (G/M^2) (00573)	PERIPHYTON, ASH-FREE DRY WEIGHT (G/M^2)
395650083504400	Mad River near Highway 41 near Springfield, Ohio	07/02/01	RTH	1	476	219	1300	1390	95.9
		07/02/01	RTH	2	489	192	1320	1450	122
		07/02/01	DTH	1	47.9	68.8	2130	2270	143
		07/02/01	DTH	2	98.9	117	3390	3580	188
393944084120700	Holes Creek at Huffman Park near Kettering, Ohio	07/30/01	RTH	1	137	86.3	1650	1710	59.1
		07/03/01	RTH	2	164	127	1570	1630	51.2
		07/03/01	DTH	1	35.4	37.2	1670	1730	58.3
		07/03/01	DTH	2	27.9	20.1	2580	2660	83.7